

Ichneumonidae (Hymenoptera) new for the fauna of Norway, Part 4

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The present survey reports 58 species of wasps belonging to the family Ichneumonidae hitherto not reported from Norway. The subfamilies Cryptinae, Ctenopelmatinae, Ichneumoninae, Microleptinae, Orthocentrinae, Pimplinae and Tryphoninae are represented. The distribution of each species is briefly discussed.

Keywords: Ichneumonidae, Cryptinae, Ctenopelmatinae, Ichneumoninae, Microleptinae, Orthocentrinae, Pimplinae, Tryphoninae, Norway.

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Introduction

The Ichneumonidae represents the largest family of parasitic Hymenoptera. Only in the Palaearctic it covers almost 9000 described species (Yu et al. 2005). Due to their diversity and the dispersed and inaccessible literature, our knowledge of many taxa in the group remains incomplete. Since 1997, 424 species of Ichneumonidae have been reported new for the norwegian fauna (Riedel & Berg 1997, Riedel et al. 2000, 2005, Riedel & Hansen 2007, Hansen et al. 2010). Although almost 1600 species of Ichneumonidae are known from Norway so far, there is still a large portion of unrecorded species which still has to be found.

This contribution provides distributional records for 58 species not hitherto reported from Norway. They belong to the subfamilies Cryptinae, Ctenopelmatinae, Ichneumoninae, Microleptinae, Orthocentrinae, Pimplinae and Tryphoninae.

Material

The species recorded in this paper were collected in most parts of Norway, mainly by sweep-netting and malaise-traps. Some of the material is collected on sandy areas. The subfamilies, tribes, genera, and species are listed in alphabetic order using the recent «Catalogue of World Ichneumonidae» by Yu et al. (2005). From here the data on distribution has been extracted. The Nordic and the Baltic countries are mentioned in particular. The faunistic divisions within Norway are defined in accordance to Økland (1981) and given in bold. The determinations have been done by the junior authors. The coordinates given in the article refer to the «Military Grid Reference System» (MGRS). All records given in this article refer to fully labelled specimens in the collections at the Natural History museum in Oslo.

The following abbreviations have been used in the text: ABA = Alf Bakke, AEN = Anders

Endrestøl, DES = Dag E. Stedje, EHE = Erik Heibo, ERI = Eirik Rindal, GSØ = Geir Søli, GWI = Gunnar Wiig, HRI = Helge Rinden, JHL = J. Håland, JRP = Johnny Roger Pedersen, KBG = Kai Berggren, KSU = Karsten Sund, LAA = Leif Aarvik, LOH = Lars Ove Hansen, LT = Light-trap, LRN = Leif Reinard Natvig, MT = Malaise-trap, ØGM = Øivind Gammelmo, OJL = Ole J. Lønnve, OSØ = Ove Sørlibråten, SOL = Stefan Olberg, SSV = Svein Svendsen, THS = Thor Hiorth Schøyen, TKV = Torstein Kvamme.

CRYPTINAE: Cryptini [det. AVR]

Aritranis explorator (Tschek, 1871)

Material: Ø Moss: Jeløy, Alby [EIS 28, 19 UTM 32V NL 9149 8831] 3♀ 28 August 1998 [LT], leg. OSØ; **AK** Oslo: Ekebergskråningen [SE] [EIS 28, UTM 32V NM 9889 4020] 1♀ 29 May–27 June 2007 [MT], leg. AEN & LOH; Oslo: Hovedøya, «Lille Vestre krutthus» [EIS 28, UTM 32V NM 9655 4112] 2♀ 19 June–27 July 2006 [MT], leg. AEN & SOL; **BØ** Hurum: Tofteholmen [EIS 19, UTM 32V NL 882 984] 1♀ June 1991 [MT], leg. LOH; **VE** Larvik: Stavern, Solplassen [EIS 19, UTM 32V NL 5935 3892] 1♀ 9–11 August 1998, leg. OSØ; **TRY** Tromsø: Kvaløya, Nordbotten [EIS 162, UTM 34W DC 1256 2933] 1♀ 31 July 2003, leg. OSØ; **FV** Alta: Gargia [EIS 165, UTM 34W EC 9636 4618] 2♀ 22 June–6 August 1996 [MT], leg. LOH & HRI.

Distribution: Palaearctic: Finland (Yu et al. 2005).

Gambrus carnifex (Gravenhorst, 1829)

Material: **VE** Horten: Adalstjernet [EIS 19, UTM 32V NL 816 821] 1♀ 8 July–12 August 2003 [MT], leg. ERI; **BØ** Lier: Linnesstranda NR [EIS 28, UTM 32V NM 7233 2429] 1♀ 26 December 2003, leg. LOH.

Distribution: Palaearctic: Denmark, Sweden, Finland (Yu et al. 2005).

Hidryta frater (Cresson, 1864)

Material: **AAV** Lillesand: Furulia [EIS 6, UTM 32V MK 623 558] 2♀ July 2004 [MT], leg. GWI.

Distribution: Nearctic, Palaearctic: Finland (Yu et al. 2005).

Hoplocryptus bellosus (Curtis, 1837)

Material: **AK** Oslo: Bleikøya [N] [EIS 28, UTM 32V NM 975 405] 1♀ 19 August 2005 [SN], leg. LOH; Oslo: Bygdøy, Rodeløkken [EIS 28, UTM 32V NM 9451 4315] 1♀ 27 June–25 July 2006 [MT], leg. AEN & SOL; Oslo: Hovedøya [SW], «Store Østre Krutthus» [EIS 28, UTM 32V NM 9731 4096] 1♀ 19 June–27 July 2006 [MT], leg. AEN & SOL; Oslo: Hovedøya [NE], «Kong Sverres Utsikt» [EIS 28, UTM 32V NM 9739 4103] 3♀ 29 June–21 July 2005 [MT in slope], leg. ØGM & OJL; Oslo: Lindøya [EIS 28, UTM 32V NM 9606 40572] 2♀ 19 July–24 August 2005 [MT], leg. AEN & SOL; Bærum: Storøykilen NR [EIS 28, UTM 32V NM 8956 4076] 1♀ July–August 2002 [MT in calcareous meadow], leg. LOH; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ June 1994 [MT in slope], leg. LOH.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

Idiolispa obfuscator (Villers, 1789)

Material: **AK** Bærum: Ostøya [N], Dronninga [EIS 28, UTM 32V NM 8805 3847] 1♀ 14 June 1997, leg. OSØ; **HES** Elverum: Starmoen [EIS 46, UTM PN 4624 4907] 1♀ 29 May–11 June 2004 [MT sandy pine-forest], leg. LOH & ERI; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ June 1994 [MT in slope], leg. LOH; **AAV** Birkenes: Birkeland, Nordåsen [EIS 6, UTM 32V MK 555 660] 1♀ May 2006 [MT], 1♀2♂ June 2006 [MT], leg. SSV.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Listrognathus mengersseni* Schmiedeknecht, 1905**

Material: AK Oslo: Bygdøy, Rodeløkken [EIS 28, UTM 32V NM 9451 4315] 1♀ 27 June–25 July 2006 [MT], leg. AEN & SOL.

Distribution: Palaearctic: Sweden (Yu et al. 2005).

***Nematopodius formosus* Gravenhorst, 1829**

Material: AK Oslo: Hovedøya [SE], «Kommandantboligen» [EIS 28, UTM NM 9696 4070] 1♀ 29 June–21 July 2005 [MT], leg. ØGM & OJL.

Distribution: Palaearctic: Denmark, Sweden, Finland (Yu et al. 2005).

***Xylophrurus kokujevi* Meyer, 1924**

Material: AK Oslo: Ekerbergskrånningen [NW] [EIS 28, UTM 32V NM 9845 4100] 1♀ 29 May–7 June 2007 [MT], leg. AEN & LOH; Ullensaker: Sessvollmoen, Aurtjernet [W] [EIS 37, UTM 32V PM 1722 7907] 1♀ 11–26 June 2007 [MT sandy pine-forest], leg. LOH; HES Kongsvinger: Femoen [N] [EIS 38, UTM 32V UG 531 771] 1♀ 11 May–21 June 2006, leg. KSU. Elverum: Starmoen [EIS 46, UTM PN 4624 4907] 2♀♀ 11 June–15 July 2004 [MT sandy pine-forest], leg. LOH & ERI; BØ Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ July 1994 2♀♀ July 1999 [MT in slope], leg. LOH.

Distribution: Palaearctic: Only Belarus (Yu et al. 2005).

CRYPTINAE : Mesostenini [det. AH]

***Mesostenus albinotatus* Gravenhorst, 1829**

Material: BØ Kongsberg: Skollenborg, Laugerud [EIS 27, UTM 32V NM 3751 1012] 1♀ 2 August–28 September 2008 [MT sand-pit], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden, Finland (Yu et al. 2005).

CTENOPELMATINAE: Scolobatini [det. AH]

***Scolobates auriculatus* (Fabricius, 1804)**

Material: AK Ullensaker: Sessvollmoen, Aurtjernet [W] [EIS 37, UTM 32V PM 1722 7907] 1♀ 26 June–25 August 2008 [MT sandy pine-forest], leg. LOH; HES Kongsvinger: Abborhøgda [EIS 38, UTM 33V UG 591 746] 1♀ 22 June–10 July 2003 [MT], leg. LOH & KSU.

Distribution: Nearctic, Oriental, Palaearctic: Sweden, Finland, Estonia (Yu et al. 2005).

ICHNEUMONINAE: Alomyini [det. AH]

***Alomya punctalata* (Schellenberg, 1802)**

Material: SFI Luster: Jostedal, Øyastrondi [EIS 60, UTM 32V MP 1385 4443] 1♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Palaearctic (Yu et al. 2005).

MICROLEPTINAE [det. AH]

***Microleptes rectangulus* (Thomson, 1888)**

Material: AK Ullensaker: Sessvollmoen [W] [EIS 37, UTM 32V PM 1777 8051, 204 m a.s.l.] 1♀ 26 June–25 August 2008 [MT sandy pine-forest], leg. LOH; SFI Luster: Jostedal, Fåberstølsgrandane [EIS 60, UTM 32V MP 1372 4441] 1♀1♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ; Luster: Jostedal, Øyastrondi [EIS 60, UTM 33V MP 1385 4443] 1♀ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ; NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 1♀ 6 August–24 September 2008 [MT] leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Finland, Sweden (Yu et al. 2005).

***Microleptes splendidulus* Gravenhorst, 1829**

Material: Ø Hvaler: Kjerkøy, Ørekroken [EIS 12, UTM 32V PL 153 454] 1♀ 15 August–30 September 2003 [MT sandy beach], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden, Finland (Yu et al. 2005).

ORTHOCENTRINAE: Helictini [det. AH]

***Aperileptus infuscatus* Förster, 1871**

Material: BØ Nedre-Eiker: Mjøndalen, Ryggkollen [W] [EIS 28, UTM 32V MN 5903 2453] 1♀ 3 August–28 September 2008 [MT sandy pine-forest], leg. LOH; Kongsberg: Skollenborg, Labro [E] [EIS 27, UTM 32V NM 3822 0911, 120 m a.s.l.] 2♀♀ 2 August–28 September 2008 [MT sand-pit], leg. LOH; Kongsberg: Skollenborg, Laugerud [EIS 27, UTM 32V NM 3751 1012] 3♂♂ 2 August–28 September 2008 [MT sand-pit], leg. LOH; VE Larvik: Farris, Vemannsås [EIS 19 UTM 32V NL 5428 5545, 125m a.s.l.] 1♀ 30 August–22 October 2007 [MT], leg. LOH & ERI; VAY Kristiansand: Nedre Timenes [EIS 2, UTM 32V MK 471 474] 2♀♀ October 2001 [LT], leg. KBG; SFI Luster: Jostedal, Fåberstølsgrandane [EIS 60, UTM 32V MP 1372 4441] 2♀♀1♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ; NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 2♀♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ; Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀1♂ 7 August–24 September 2008 [MT] leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Aperileptus melanopsis* Förster, 1871**

Material: VAY Kristiansand: Nedre Timenes [EIS 2, UTM 32V MK 471 474] 3♀♀ October 2001 [LT], leg. KBG; SFI Luster: Jostedal, Fåberstølsgrandane [EIS 60, UTM 32V MP 1372

4441] 1♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Palaearctic: Finland (Yu et al. 2005).

***Apoclima signaticorne* Förster, 1871**

Material: AK Ullensaker: Sessvollmoen, Aurtjernet [W] [EIS 37, UTM 32V PM 1722 7907, 200 m asl] 1♀ 26 June–25 August 2008 [MT], leg. LOH.

Distribution: Palaearctic: Sweden, Finland, Lithuania (Yu et al. 2005).

***Catstenus femoralis* Förster, 1871**

Material: NTI Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀ 7 August–25 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Nearctic, Palaearctic: Sweden, Finland, Lithuania (Yu et al. 2005).

***Eusterinx aquilonigena* Rossem, 1981**

Material: NTI Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀ 7 August–25 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Eusterinx inaequalis* Rossem, 1981**

Material: SFI Luster: Jostedal, Øyastrondi [EIS 60, UTM 32V MP 1385 4443] 1♀ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Nearctic, Palaearctic: Finland (Yu et al. 2005).

***Hemiphanes erratum* Humala, 2007**

Material: SFI Luster: Jostedal, Fåberstøls-

grandane [EIS 60, UTM 32V MP 1372 4441] 1♀ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ; Luster: Jostedalen, Øyastrondi [EIS 60 UTM 32V MP 1385 4443] 1♂1♀ 12 July–12 September 2006, leg. ØGM, ERI & GSØ; NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 2♀♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Only Finland (Achterberg & Zwakhals 2004).

Hyperacmus crassicornis (Gravenhorst, 1829)

Material: BØ Kongsberg: Skollenborg, Laugerud [EIS 27, UTM 32V NM 3751 1012, 165 m a.s.l.] 1♀ 2 August–28 September 2008 [MT sand-pit], leg. LOH.

Distribution: Nearctic, Oriental, Palaearctic: Finland, Latvia (Yu et al. 2005).

Plectiscidea capitosa (Roman, 1909)

Material: SFI Luster: Jostedalen, Fåberstøls-grandane [EIS 60, UTM 32V MP 1372 4441] 1♀ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Palaearctic: Only Sweden (Yu et al. 2005).

Plectiscidea nemorensis Rossem, 1987

Material: VE Larvik: Farris, Vemannås [EIS 19, UTM 32V NL 54285545, 125 m a.s.l.] 1♀ 30 August–22 October 2007 [MT], leg. LOH & ERI; NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 28415122] 1♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Sweden, Lithuania (Yu et al. 2005).

Plectiscidea posticata (Förster, 1871)

Material: SFI Luster: Jostedalen, Øyastrondi [EIS 60, UTM 32V MP 13854443] 1♀1♂ 12 July–12

September 2006 [MT], leg. ØGM, ERI & GSØ; NTI Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀ 7 August–25 September 2008 [MT], leg. ØGM, ERI & GSØ; Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 2♀♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ; FV Alta: Gargia [EIS 165, UTM 34W EC 9636 4618] 1♂ 22 June–8 Augusty 1996 [MT], leg. LOH & HRI.

Distribution: Palaearctic: Lithuania (Yu et al. 2005).

Plectiscidea undulata Dasch, 1992

Material: BØ Nedre-Eiker: Mjøndalen, Ryggkollen [W] [EIS 28, UTM 32V MN 5903 2453] 1♀ 3 August–28 September 2008 [MT sandy pine-forest], leg. LOH.

Distribution: Nearctic, Palaearctic: Finland (Achterberg & Zwakhals 2004).

Proclitus ardentis Rossem, 1987

Material: NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 2♀♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Finland, Lithuania (Yu et al. 2005).

Proclitus evacuator Förster, 1871

Material: AAY Arendal: Tromøy, Hove [EIS 6, UTM 32V MK 8971 7698], 1♀ 26–28 July 1996, leg. OSØ.

Distribution: Palaearctic: Central Europe (Yu et al. 2005).

Symplecis alpicola Förster, 1871

Material: SFI Luster: Jostedalen, Fåberstøls-grandane [EIS 60, UTM 32V MP 1372 4441] 2♂♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Palaearctic: Sweden, Denmark,

Faeroe Islands (Yu et al. 2005).

***Symplecis breviscula* Roman, 1923**

Material: BØ Kongsberg: Skollenborg, Labro [E] [EIS 27, UTM 32V NM 3822 0911, 120 m a.s.l.] 1♀ 2 August–28 September 2008 [MT], leg. LOH; NTI Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀ 7 August–25 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Nearctic, Palaearctic: Finland (Yu et al. 2005).

***Symplecis invisitata* Rossem, 1981**

Material: SFI Luster: Jostedal, Fåberstølsgrandane [EIS 60, UTM 32V MP 1372 4441] 3♀♀3♂♂ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Nearctic, Palaearctic: Sweden, Finland, Lithuania (Yu et al. 2005).

ORTHOCENTRINAE: Orthocentrini [det. AH]

***Orthocentrus longicornis* Holmgren, 1858**

Material: NTI Lierne: Nordli, Skograudberget [EIS 108, UTM 33W VM 48785 47486] 1♀1♂ 7 August–25 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Sweden, Lithuania (Yu et al. 2005).

***Picrostigeus obscurus* Horstmann, 1994**

Material: SFI Luster: Jostedal, Fåberstølsgrandane [EIS 60, UTM 32V MP 1372 4441] 2♀ 12 July–12 September 2006 [MT], leg. ØGM, ERI & GSØ.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Stenomacrus ungula* (Thomson, 1897)**

Material: BØ Nedre-Eiker: Mjøndalen, Ryggkollen [W] [EIS 28, UTM 32V MN 5903 2453, 16 m a.s.l.] 1♀ 3 August–28 September 2008 [MT sandy pine-forest], leg. LOH; SFI Luster: Jostedal, Fåberstølsgrandane [EIS60, UTM 32V MP 1372 4441] 2♀♀ 12 July–12 September 2006, leg. ØGM, ERI & GSØ; NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 2841 5122] 1♂ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Hyperacmus crassicornis* (Gravenhorst, 1829)**

Material: VE Horten: Adalstjernet NR [EIS 19, UTM 32V NL 816 821] 1♀ 12 August–24 October 2003 [MT], leg. ERI.

Distribution: Nearctic, Oriental, Palaearctic: Sweden, Finland (Yu et al. 2005).

PIMPLINAE: Delomeristini [det. AVR]

***Delomerista pfankuchi* Brauns, 1905**

Material: FV Alta: Gargia [EIS 165, UTM 34W EC 9636 4618] 2♂♂ 27 July–6 August 1996 [MT], leg. LOH & HRI. TEY Siljan: Siljan [EIS 18] 1♂ 18 June 1964, leg. ABA.

Distribution: Palaearctic: Sweden, Finland, Latvia (Yu et al. 2005).

PIMPLINAE: Ephialtini [det. AH, AVR]

***Acropimpla pictipes* (Gravenhorst, 1829)**

Material: TRY Tromsø: Kvaløya, Vågbotn [EIS 162, UTM 34W DC 0290 3875] 3♂♂ 17 July 2001, leg. OSØ.

Distribution: Palaearctic: Sweden, Finland, Iceland, Lithuania (Yu et al. 2005).

***Clistopyga canadensis* Provancher, 1880**

Material: **AK** Sørums: Egner [EIS 37, UTM 32V PM 24 61] 2♂♂ 8 June 1991, leg. OSØ; **Fet:** Fetsund, Lund [EIS 29, UTM 32V PM 2045 4468] 1♂ April 2001, leg. OSØ; **HES** Grue: Kirkenær, Grøsen [EIS 38, UTM 33V UH 391 092] 1♂ August 2005, leg. OSØ; **HEN** Rendalen: Ytre Rendal [EIS 64, UTM 32V PP 18 38] 1♂ 30 June 1948, leg. LRN; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♂ July 1994 [MT in slope], leg. LOH.

Distribution: Nearctic, Palaearctic (Yu et al. 2005).

***Clistopyga rufator* Holmgren, 1856**

Material: **BØ** Nedre-Eiker: Mjøndalen, Ryggkollen [W] [EIS 28, UTM 32V MN 59032453] 1♀ 3 August–28 September 2008 [MT sandy pine forest, leg. LOH.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

***Dolichomitus messor* (Gravenhorst, 1829)**

Material: **AK** Ullensaker: Sessvollmoen, Aurtjernet [W] [EIS 37, UTM 32V PM 17227907] 1♀ 26 June–25 August 2008 [MT sandy pine forest], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden, Finland, Latvia; introduced to New Zealand and South Africa (Yu et al. 2005).

***Ephialtes spatulatus* (Townes, 1960)**

Material: **HES** Elverum: Starmoen NR [EIS46, UTM 32V PN 4624 4907] 1♀ 20 May–11 July 2004 [MT sandy pine forest], leg. LOH & ERI.

Distribution: Nearctic, Palaearctic: Sweden, Finland (Yu et al. 2005).

PIMPLINAE: Perithoini [det. AVR]

***Perithous speculator* (Haupt, 1954)**

Material: **AK** Bærum: Storøykilen NR [EIS 28, UTM 32V NM 8956 4076] 1♀ September 2003 [SN in calcareous meadow], leg. JRP.

Distribution: Palaearctic: Sweden (Yu et al. 2005).

PIMPLINAE: Pimplini [det. AVR]

***Pimpla artemonis* (Kasparyan, 1973)**

Material: **Ø** Rygge: Ekeby, Telemarkslunden [EIS 19, UTM 32V NL 948 844] 1♀ 18 August 1998, leg. OSØ; **AAV** Birkenes: Birkeland, Nordåsen [EIS 6, UTM 32V MK 555 660] 1♀ May 2006 [MT], 7♀♀ June 2006 [MT], leg. SSV.

Distribution: Palaearctic: Sweden (Yu et al. 2005).

***Pimpla murinanae* Fahringer, 1943**

Material: **Ø** Hvaler: Asmaløy, Huser [EIS 12, UTM PL 1033 4748] 1♀ 7 August 1998, leg. OSØ; **Halden:** Kornsjø [EIS 12] 1♀ 16 June 1906, leg. THS; **AK** Oslo: Hovedøya [SW], «Store Østre Krutthus» [EIS 28, UTM 32V NM 9731 4096] 1♀ 19 June–24 July 2006, leg. AEN & SOL [MT]; **Oslo:** Lindøya [EIS 28, UTM 32V NM 9598 4048] 1♀ 19 June–20 July 2006 [MT], leg. AEN; **AAV** Grimstad: Reddalsvann [EIS 6] 1♀ 15 June–16 July 1996, leg. KBG; **FV** Alta: Gargia [EIS 165, UTM 34W EC 9636 4618] 4♀♀2♂♂ 27 July–6 August 1996, leg. LOH & HRI.

Distribution: Palaearctic (Yu et al. 2005).

***Pimpla arcadica* Kasparyan, 1973**

Material: **AK** Nesodden: Skoklefall [EIS 28, UTM 32V NM 935 359] 1♂ 11 July–15 August 2004, leg. OJL; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ June 1994, 1♀

June 1999 [MT in slope], leg. LOH.

Distribution: Palaearctic: Sweden (Yu et al. 2005).

PIMPLINAE: Polysphinctini [det. AVR]

Polysphincta nielseni Roman, 1923

Material: **AK** Oslo: Hovedøya [NE], «Kong Sverres Utsikt» [EIS 28, UTM 32V NM 9739 4103] 4♀ 7–29 June 2005, 1♀ 21 July–26 August 2005 [MT in slope] leg. OJL & ØGM; Oslo: Hovedøya [SE] «Kommandantboligen» [EIS 28, UTM 32V NM 9696 4070] 1♀ 27 May–29 June 2005, 1♀ 29 June–21 July 2005, 1♀ 21 July–26 August 2005 leg. ØGM & OJL; Oslo: Hovedøya [SW], «Store Østre krutthus» [EIS 28, UTM 32V NM 9731 4096] 1♀ 19 June–24 July 2006 [MT], leg. AEN & SOL; Oslo: Hovedøya, «Lille Vestre krutthus» [EIS 28, UTM 32V NM 9655 4112] 1♀ 19 June–27 July 2006 [MT], leg. AEN & SOL; Oslo: Lindøya [EIS 28, UTM 32V NM 9606 4057] 7♀ 19 July–24 August 2005 [MT], leg. AEN & SOL; Bærum: Oksenøya [EIS 28, UTM 32V NM 899 413] 1♀ 1 July–15 August 1996, leg. EHE; Asker: Nesøya, Storenga [N] [EIS 28, UTM 32V NM 8610 3800] 1♀ May–July 2003, leg. LOH; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 2♀ 7 July 1994, 1♀ June 1999 [MT in slope], leg. LOH; **VE** Tønsberg: Undrum, Signalen [E] [EIS 19] 1♀ August 1998, leg. LOH; **TEY** Kragerø: Stråholmen [EIS 11] 1♀ 4 July–8 August 1995 leg. JHL & DES; **AAY** Birkenes: Birkeland, Nordåsen [EIS 6, UTM 32V MK 555 660] 1♀ June 2006 [MT], leg. SSV; Lillesand: Furulia [EIS 6, UTM 32V MK 623 558] 1♀ July 2004 [MT], leg. GWI.

Distribution: Palaearctic: Denmark (Yu et al. 2005).

Sinarachna anomala (Holmgren, 1860)

Material: **AK** Sørums: Egner [EIS 37, UTM 32V PM 24 61] 1♀ 16 July 1996, leg. OSØ.

Distribution: Nearctic, Neotropical, Palaearctic:

arctic: Sweden, Finland (Yu et al. 2005).

Sinarachna nigricornis (Holmgren, 1860)

Material: **AK** Sørums: Egner [EIS 37, UTM 32V PM 24 61] 1♀ 8 September 1996, leg. OSØ; **AAY** Arendal: Tromøy, Hove [EIS 6, UTM 32V MK 8971 7698] 2♀ 26–28 July 1996, leg. OSØ.

Distribution: Palaearctic: Sweden, Finland (Yu et al. 2005).

Sinarachna pallipes (Holmgren, 1860)

Material: **AK** Oslo: Lindøya [EIS 28, UTM 32V NM 9606 4057] 1♀ 19 July–24 August 2005 [MT], leg. AEN & SOL; Asker: Nesøya, Storenga [E] [EIS 28, UTM 32V NM 8627 3794] 1♀ May–July 2003 [MT], leg. LOH; **BØ** Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ 1994 [MT in slope], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden, Finland, Lithuania (Yu et al. 2005).

TRYPHONINAE: Eclytini [det. AVR]

Eclytus coccineus Kasparyan, 1977

Material: **TEY** Skien: Sondalsfjell [EIS 18] 1♀ 12–19 August 1996, leg. ABA, TKV, LAA.

Distribution: Nearctic, Palaearctic: Sweden (Yu et al. 2005).

Zapedias exornatus (Gravenhorst, 1829)

Material: **AK** Oslo: Hovedøya [NE], «Kong Sverres Utsikt» [EIS 28, UTM 32V NM 9739 4103] 1♀ 7–29 June 2005 [MT], leg. OJL & ØGM; Asker: Nesøya, Storenga [E] [EIS 28, UTM 32V NM 8627 3794] 3♀ May–July 2003 [MT], leg. LOH.

Distribution: Palaearctic: Denmark, Finland, Latvia, Lithuania (Yu et al. 2005).

TRYPHONINAE: Exenterini [det. AVR]

Eridolius hofferi Gregor, 1937

Material: Ø Hvaler: Asmaløy, Huser [EIS 12, UTM PL 1033 4748] 1♀ 21 August 1996, leg. OSØ.

Distribution: Palaearctic: Sweden, Finland, Latvia (Yu et al. 2005).

Exenterus oriolus Hartig, 1838

Material: AK Bærum: Storøykilen NR [EIS 28, UTM 32V NM 8956 4076] 1♀ August 2002 [MT in calcareous meadow], leg. LOH; HES Elverum: Starmoen [EIS 46, UTM 32V PN 4624 4907] 1♀ 29 July–14 September 2004 [MT in sandy pine forest], leg. LOH & ERI; BØ Drammen: Underlia [EIS 28, UTM 32V NM 6611 2476] 1♀ July 1999 [MT in slope], leg. LOH.

Distribution: Palaearctic: Sweden, Finland, Estonia, Latvia (Yu et al. 2005).

Exenterus simplex Thomson, 1883

Material: Ø Hvaler: Asmaløy, Huser [EIS 12, UTM PL 1033 4748] 1♀ September 2003, leg. OSØ.

Distribution: Palaearctic: Sweden, Latvia, Lithuania (Yu et al. 2005).

Smicroplectrus modestus Kasparyan, 1976

Material: NSI Saltdal: Vassbotnfjell [EIS 127] 1♂ 13 July 1998, leg. OJL.

Distribution: Palaearctic: Russia only (Yu et al. 2005).

Smicroplectrus paulipecten Kasparyan, 1990

Material: AK Sørums: Egner [EIS 37, UTM 32V PM 24 61] 1♀ 5 July 1996, leg. OJL.

Distribution: Palaearctic: Russia only (Yu et al. 2005).

TRYPHONINAE : Idiogrammatini [det. AH]

Idiogramma euryops Förster, 1888

Material: BØ Røyken: Kinnartangen, Kolåsen [EIS 28, UTM 32V NM 75192 20432, 75 m a.s.l.] 1♂ 21–31 May 2001 [SN in slope], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden (Yu et al. 2005).

TRYPHONINAE: Tryphonini [det. AH]

Grypocentrus albipes Ruthe, 1855

Material: AK Ullensaker: Sessvollmoen, Aurtjernet [W] [EIS 37, UTM 32V PM 1722 7907, 200 m a.s.l.] 1♀ 26 June–25 August 2008 [MT in sandy slope], leg. LOH.

Distribution: Nearctic, Palaearctic: Sweden, Finland (Yu et al. 2005).

Labroctonus westringi (Holmgren, 1857)

Polyblastus westringi Holmgren, 1857

Material: NTI Lierne: Nordli, Kvernaunet [EIS 108, UTM 33W VM 28415122] 1♀ 6 August–24 September 2008 [MT], leg. LAA, ERI & GSØ.

Distribution: Palaearctic: Denmark, Sweden, Finland, Latvia, Lithuania (Yu et al. 2005)

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Discussion

With this account the list of Norwegian

Ichneumonidae counts around 1700 species, but it is hard to estimate how big part of the Norwegian fauna this number actually represents. Ottesen (1993) estimated the number to be around 4000 species, but this seems to be far too high. Hansen et al. (2010) reveals the number 2011, but this number also includes Braconidae. Gärdenfors et al. (2003) revealed the number 2687 from Sweden. However, it is still difficult to give a good estimate of the Norwegian number of ichneumonids, but a good guess may perhaps be around 3000 species. It is obvious that further sampling will reveal much more species, particularly if more rare and special types of habitats are included. A good method is also hatching, which may uncover rare species and give unique information about host associations.

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